



**ACROW**  
Formwork Technology



# Acrow Big Steel Panel

ACROW MISR Provides Full Site Service Based On More Than 35 Years Experience In The Field



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## Introduction

Being one of the largest formwork and scaffolding companies in Egypt, We are introducing the Big Steel Panels Formwork System.

### Advantages of big steel panel:

- It is one of the most economical systems for special applications.
- It can be easily erected, adjusted and dismantled

- It is by made high manufacturing techniques.

- The release agent coating minimizes the concrete adhesion.





## Acrow Big Steel Panel For Bridge Pier Crown

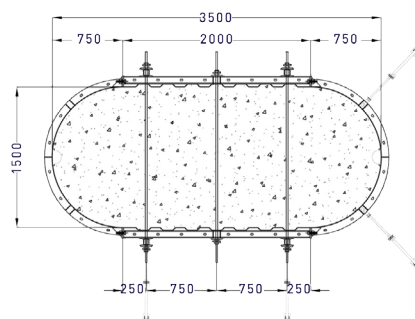
**Project : Cairo Alex Road Bridge**  
**Location : Egypt**

Acrow big steel panel is the most suitable system for bridge pier crown, where special shapes and complicated architecture texture are easily achieved using big steel panel formwork rather than modular systems.

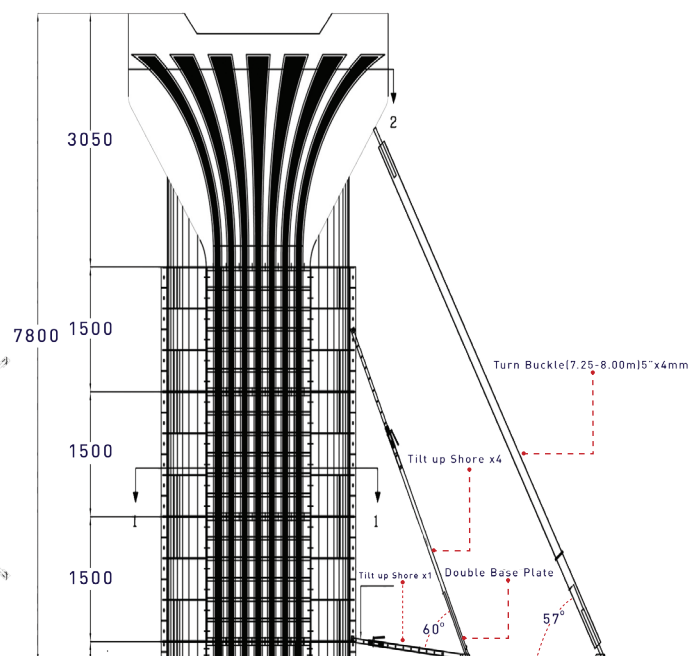
Pier crown height=7.80 width=3.50m



- Steel panel width = 2 m.
- Steel panel Height = 1.5 m.
- Curved steel panel = 1.5 m.
- Face crown width = 3.5 m to 5 m  
Height = 3.05 m
- Side crown width = 1.5 m  
Height = 3.05 m



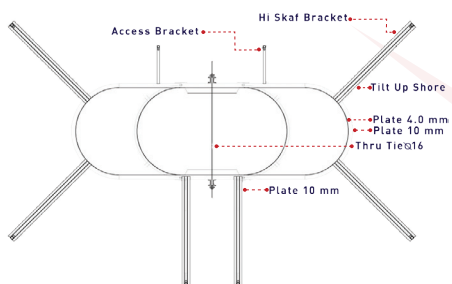
Section(1-1)



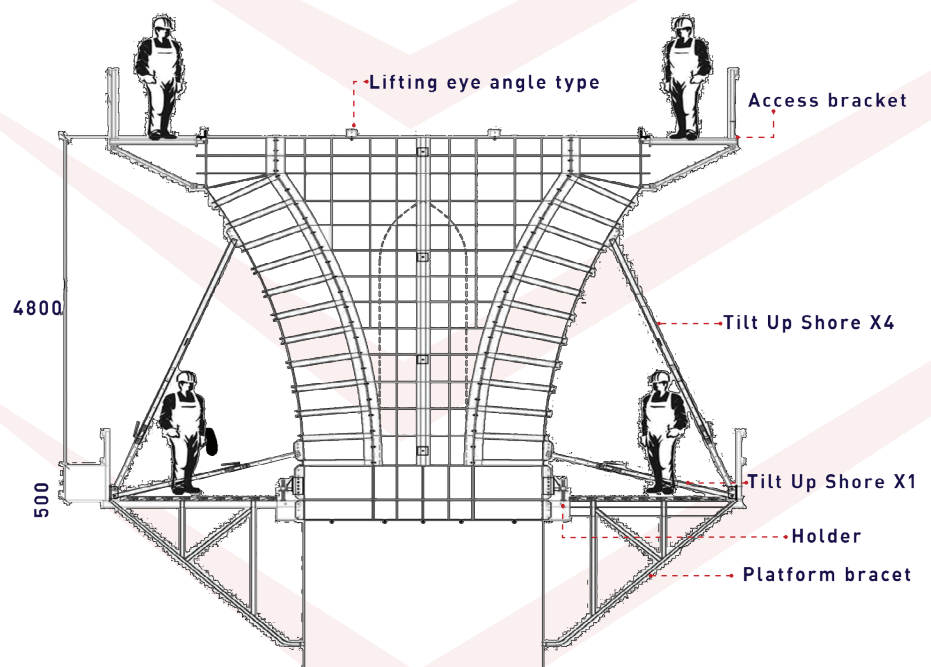
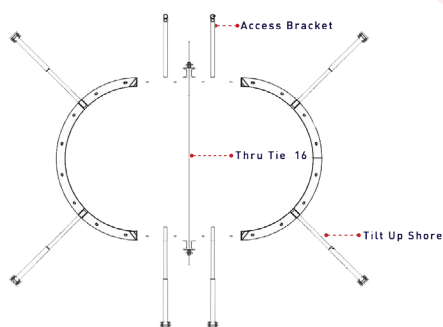
## Acrow Big Steel Panel For Bridge Pier Crown



**ELEVATION OF PIER**



**PLAN OF CROWN**





## Applications Acrow Big Steel Panel For Bridge Pier Crown





## Applications Acrow Big Steel Panel For Bridge Pier Crown

Qatar





## Applications Acrow Big Steel Panel For Bridge Pier Crown

Qatar





## Acrow Big Steel Panel For Bridge Pier Crown

Project : Met Ghamr bridge  
Location : Met Ghamr - Egypt





## Acrow Big Steel Panel With Acrow Climbing System For Column

Project : Riyadh ring road north  
(west leg)  
Contractor : Shibh El Jezira  
Location : Saudi Arabia





## Acrow Big Steel Panel With Acrow Climbing System For Column

Project : Riyadh ring road north  
(west leg)  
Contractor : Shibh El Jezira  
Location : Saudi Arabia









## Acrow Big Steel Panel For Column With Special Shape

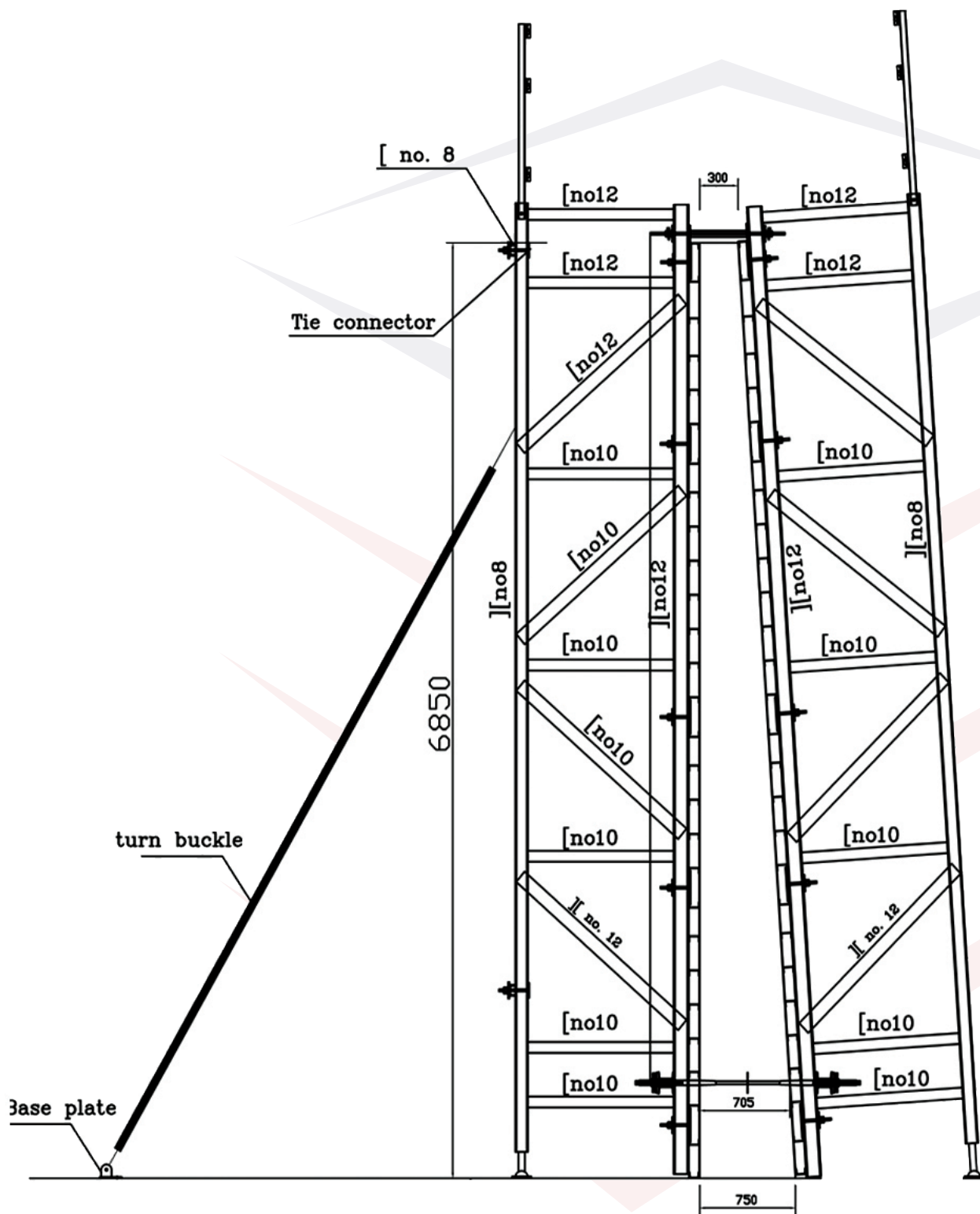
Project : Sewage treatment  
water tank  
Client : Algna Alshabia for  
Electricity & Water  
Contractor : Bavaria  
Location : Libya







### Acrow Big Steel System With One Level Of W/S Ties (H - 7.40 )



## Acrow Big Steel Panel For Column With Special Shape

Project : Azzoure Ground Water Tank  
Contractor : arab contractors  
(osman a .osman)  
Location : Kuwait



## Acrow Big Steel For Tunnel Form

All the inside forms move on wheels:

- Acrow steel panel system has been successfully used for monolithic tunnel formwork. The main system advantage is that it enables a one shot

pour for the slab and walls together.

- The inner formwork is equipped by wheels in order to be moved easily from one stage to another.
- The outer formwork can be either

moved by wheel or crane according to the surrounding site conditions.

- Acrow misr also designs, forms, assembles, and supplies special tunnel form shapes upon request.

Double Culvert



Single Culvert



Horse Shoe Culvert (move on wheels)





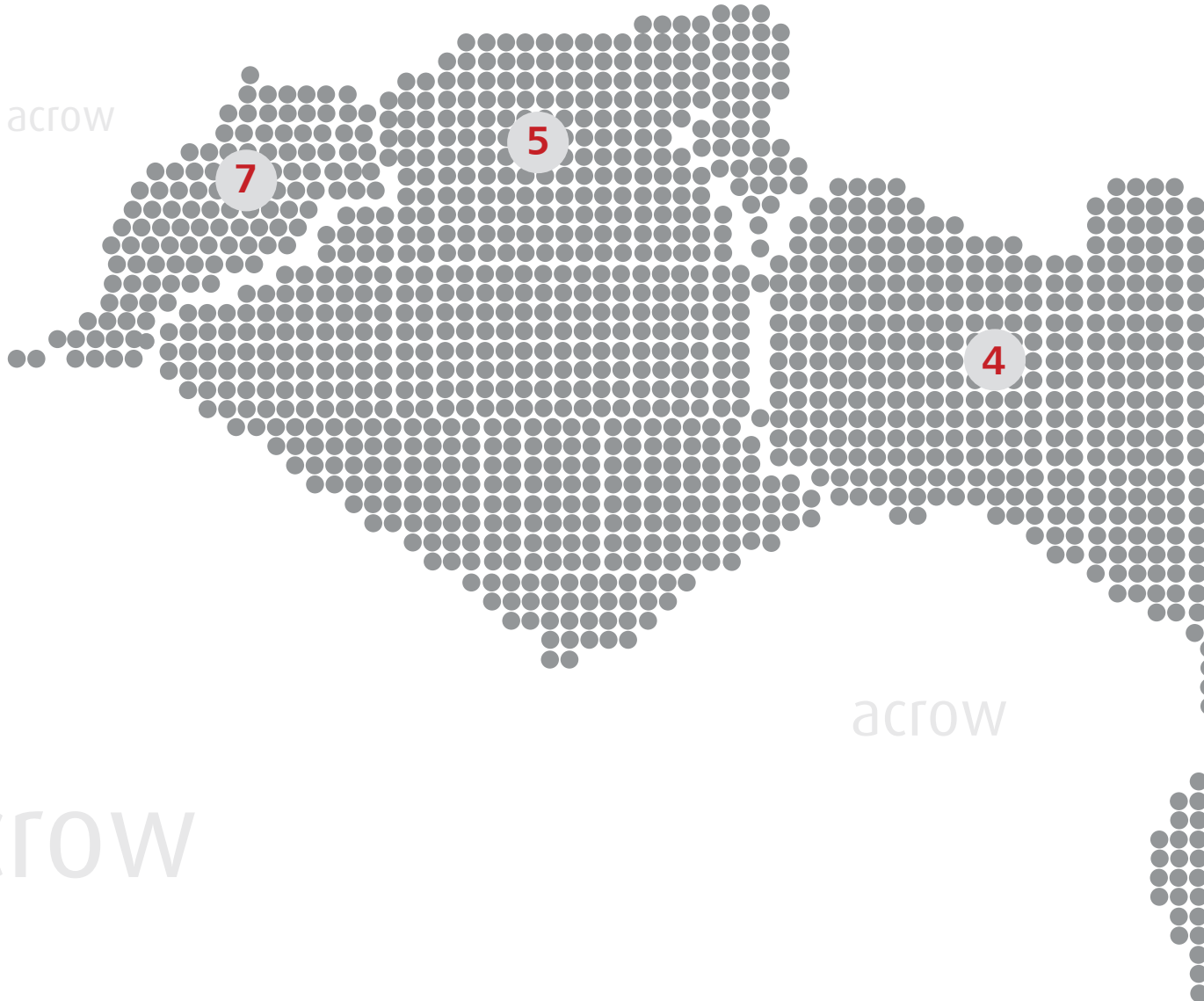
## Acrow Big Steel Panel For Tunnel Form

### Advantages of tunnel formwork:

- Easy to use in site
- Monolithic reinforced walling formwork system
- It enables fast track construction
- It proved to be cost effective system
- Transferrable construction technology
- It is reusable system which could be used many times.
- It is characterized by its light weight.
- It is a time effective system which enables fast and speedy tunneling formwork and construction.



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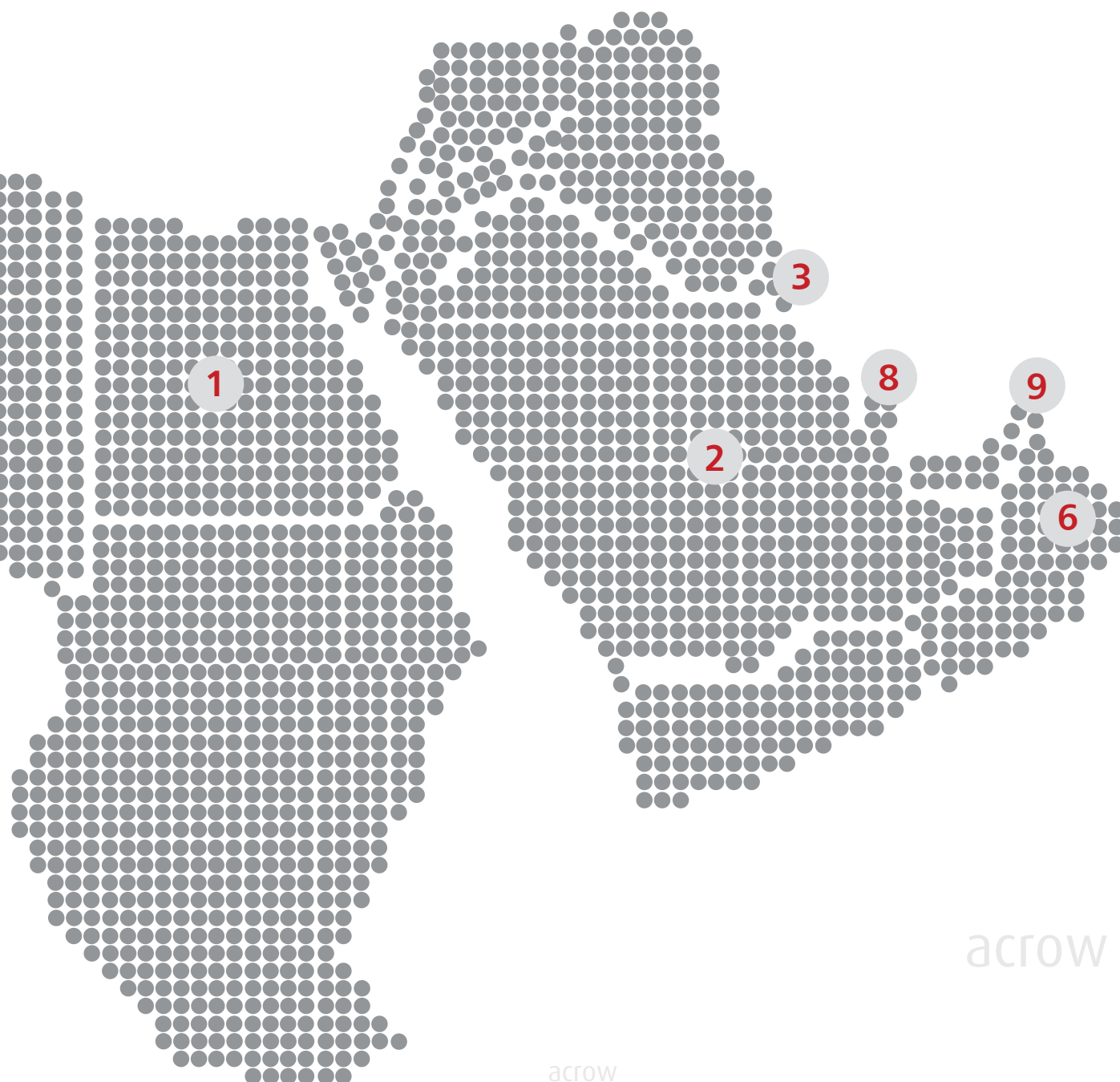
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Acrow H20 & solidor



Acrow One shutter solidor



Acrow V.M.C



Acrow Tech-Form



Acrow Cuplock



Acrow Bridge table form



Acrow Circular column



Acrow climbing system



Acrow shorbrace Table form



Acrow Big steel panel



Acrow European prop



Acrow Vari form



Acrow Prop table form



Acrow frame



Acrow early striking system



Acrow Ring lock

[www.acrow.co](http://www.acrow.co)